

20010320.ba v03\_n129.bam.20010320

>From ???@??? Thu Mar 22 15:26:45 2001 -0600  
Message-Id: <200103222126.f2MLQaqG004538@sco.theporch.com>  
Date: Tue, 20 Mar 2001 19:50:42 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 3129

BOATANCHORS Digest 3129

Topics covered in this issue include:

- 1) RCA VFO FS  
by BEN NOCK <G4BXD@compuserve.com>
- 2) Versatile Test Gear  
by jim\_allen@agilent.com
- 3) WTD: Johnson Maroon Paint  
by "Richard W. Solomon" <w1ksz@tiac.net>
- 4) Re: 75A4 hum problem  
by Roy Morgan <roy.morgan@nist.gov>
- 5) Looking for sockets  
by Morris Odell <Morris0@vifp.monash.edu.au>
- 6) Re: B&W Phase Shift unit 350 2Q4  
by Edward J Knobloch <k4pf@juno.com>
- 7) Looking for 4-1000A Socket  
by Jack Harper <jharper@bsi2000.com>
- 8) Tr: 19 set VHF correction  
by =?iso-8859-1?Q?Andr=E9\_Guibert?= <aguibert@sympatico.ca>
- 9) Re: Need sweep circuit  
by Joe LeKostaj <jm\_lekostaj@attglobal.net>
- 10) Re: Need ideas for a 6 way speaker switch  
by James Hanlon <knjhanlon@qwest.net>
- 11) Re: 6 way speaker switch  
by Ralph Parker <rparker@dccnet.com>
- 12) Re: Need ideas for a 6 way speaker switch  
by Arden Allen <gumbear@pacbell.net>
- 13) Mil History Group Needs ARC-3 Connector  
by arc5@ix.netcom.com
- 14) Wanted: National HRO-5TA1 Receiver  
by "James W. Miller" <jmiller@Basit.COM>
- 15) Heathkit T-3 manual wanted  
by "Sandy Gerli, AC1Y/G5CPJ" <angerli@home.com>
- 16) RE: JFD 1A7 to 1R5 adapter  
by Merz Donald S <merz.ds@mellon.com>
- 17) BW5100 xmitter  
by "RAY JEFFERSON" <w7fni@micron.net>
- 18) Trade: Collins 51S-1 for other Collins stuff

by "Gary Franklin" <franklin@net-link.net>  
19) Collins 30S1  
by tsmith@hal-pc.org  
20) National trivia question  
by john <johnmb@mindspring.com>  
21) RBH-2 photo?  
by "Larry Bearse" <lbearse@mail1.nai.net>  
22) A Concise "Tube Genealogy" chart.....  
by "Sandy" <ebjr@i-55.com>

-----  
Date: Mon, 19 Mar 2001 13:19:32 -0500  
From: BEN NOCK <G4BXD@compuserve.com>  
Subject: RCA VFO FS  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <200103191319\_MC2-C953-D46B@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline

ET-4336 VFO unit, =

slightly modded to work as a stand alone unit, coax o/p feed, =

meter in ht rather than grid lead, but easily restored. =

Brown case. working.

35.00 Pound.

Ben =

106312.1035@compuserve.com

-----  
Message-ID: <1BEBA5E8600DD4119A50009027AF54A002C0519B@axcs04.cos.agilent.com>  
From: jim\_allen@agilent.com  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Versatile Test Gear  
Date: Mon, 19 Mar 2001 14:58:44 -0700  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

I recently purchase an old Eico Model 145 Multi-Signal

Tracer. I didn't realize what a versatile piece of gear it was. I read the manual and found out it can be used as a "small public address system." Just add a phonograph pick-up or crystal microphone. Great for those parties you have in your workshop. Maybe it would be a selling point to your XYL when telling her you just bought an old signal tracer would go over like a lead balloon.

-----  
From: "Richard W. Solomon" <w1ksz@tiac.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: WTD: Johnson Maroon Paint  
Date: Mon, 19 Mar 2001 18:22:19 -0500  
Message-ID: <LOBBJFMMJJCIMDIAGBJLEECCFLAA.w1ksz@tiac.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Can anyone point me to a source ?

Tnx, Dick, W1KSZ

-----  
Message-Id: <5.0.0.25.2.20010319191728.0536b100@sdct-sunsv1.ncsl.nist.gov>  
Date: Mon, 19 Mar 2001 19:20:02 -0600  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Roy Morgan <roy.morgan@nist.gov>  
Subject: Re: 75A4 hum problem  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:20 PM 3/19/01 -0600, you wrote:

>My A4 has a hum. Not terrible, but there nonetheless.

>I've replaced the power supply electrolytics and all black beauties.

>Any suggestions?

The hum is caused by the output transformer being close to the power transformer.

There seem to be two solutions:

1) Move the output transformer and experiment with orientation before you drill its mounting holes to find the lowest hum position. This is not a no-holes mod, normally.

2) Put in a steel or mu-metal shield between the two transformers. This

can be a no-holes mod if you are creative.

- Roy Morgan, K1LKY since 1959  
7130 Panorama Drive, Derwood MD 20855  
Home: 301-330-8828 Work: Voice: 301-975-3254, Fax: 301-948-6213  
roy.morgan@nist.gov --

-----  
Message-ID:  
<07A064EA6042D4118A62009027F70E770517F4@nt\_exchange.vifp.monash.edu.au>  
From: Morris Odell <MorrisO@vifp.monash.edu.au>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Looking for sockets  
Date: Tue, 20 Mar 2001 11:35:36 +1100  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Hi all,

I am looking for some duodecal sockets (about 6-8 pieces). These are the 12 pin CRT type sockets with a central locating spigot slightly larger than an octal.

Usual expenses reimbursed etc etc

These are for a clock/electronic sculpture I am designing using dekatron tubes.

73

Morris VK3DOC

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Date: Mon, 19 Mar 2001 19:30:46 -0500  
Subject: Re: B&W Phase Shift unit 350 2Q4  
Message-ID: <20010319.193049.-657229.0.k4pf@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
From: Edward J Knobloch <k4pf@juno.com>

Hello, Hue and group.

I believe that the B&W 2Q4 was used in the Hallicrafters HT-37 and HT-44 and the Heath SSB adapter for the Apache.

73,  
Ed k4pf@juno.com

On Mon, 19 Mar 2001 02:25:44 -0800 "Hue Miller" <kargokult@proaxis.com> writes:

> This B&W phaseshift unit in an octal tube can- was this used in  
> any commercially produced phasing sideband rigs - or did they  
> use parts right on the chassis?  
> Tnx, Hue Miller  
>  
>  
>  
>

-----  
Message-Id: <4.1.20010319174225.03deafd0@mail.onenetwork.com>  
Date: Mon, 19 Mar 2001 17:44:23 -0700  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Jack Harper <jharper@bsi2000.com>  
Subject: Looking for 4-1000A Socket  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Does anyone have a spare air socket for a 4-1000A -- the one with the connector for the air hose??

If so, I would appreciate if you could contact me offline.

Regards to the List

Jack, W0YJ (Friend to all things Hammarlund)

-----  
-----  
Jack Harper  
Inc.

303-231-9095  
303-898-6126 (Cellular)

BSI2000,

Lakewood, Colorado USA

"Optical Cards... A Spectrum of Solutions"

http://www.bsi2000.com (Last Update: 010101)

Message-ID: <000601c0b0e4\$0e55a5e0\$ab82d1d8@b1yhp64>  
From: =?iso-8859-1?Q?Andr=E9\_Guibert?= <aguibert@sympatico.ca>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Tr: 19 set VHF correction  
Date: Mon, 19 Mar 2001 21:16:35 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Bonsoir Ben and All  
Still red in the face, finger problem, should have been  
235/245.  
Andre

----- Original Message -----  
From: BEN NOCK <G4BXD@compuserve.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Sent: Monday, March 19, 2001 1:19 PM  
Subject: 19 set VHF correction

[illegible]

No, the B set ran at about 235 Mhz

ref: 19 Set Working Instructions, War Office, Nov 1955. ZA21575

Ben G4BXD  
Collector, Historian and Operator of Military Wireless Equipment.  
Military Wireless in the Midlands Virtual Museum  
[www.qsl.net/g4bxd](http://www.qsl.net/g4bxd)

Mime-Version: 1.0  
Message-Id: <p04320401b6dc71967873@[129.37.40.124]>  
Date: Mon, 19 Mar 2001 20:36:50 -0600  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Joe LeKostaj <jm\_lekostaj@attglobal.net>  
Subject: Re: Need sweep circuit  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Jim,

EXAR 2206 is good up to 2 MHz. I'm in the middle of building such a sweep generator right now for 100kc and 455kc IFs. LM3900 makes a nice ramp generator. Contact me if you'd like to compare notes.

73,  
Joe K9LY

At 4:22 PM -0700 3/18/01, James Hanlon wrote:

>Y'all,

>

>Several years ago I bought an IC from Radio Shack that was a  
>really nice signal generator for aligning my BA receivers.  
>It is now lost somewhere under my bench I think, and I'm  
>looking for a replacement. I'd appreciate your advice on  
>what IC too look for and who might carry it. What I had was  
>a circuit that made sine wave (and also square and  
>triangular) output up to about 500 kc. It's frequency was  
>controlled by external R/C elements, and it had a voltage  
>input for FMing the output that I drove with the horizontal  
>ramp from my scope to produce a swept frequency for aligning  
>HQ IF's.

-----  
Message-ID: <3AB6D900.EB81F576@qwest.net>  
Date: Mon, 19 Mar 2001 21:13:53 -0700  
From: James Hanlon <knjhanlon@qwest.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Need ideas for a 6 way speaker switch  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Joe,

I use a rotary switch to connect one speaker to one of 12 receivers in my CX station. I use a common ground on all of

the receiver outputs, so I only have to switch one pole.  
You could use a two pole switch if you like. For a couple  
of candidates, check out Fair Radio Sales rotary switches at

<https://www.fairradio.com/rotary.htm>

The Tech-Lab Switch, 4 pole, 7 positions, used for \$5 and  
the 3 deck 11 position rotary switch for \$15 would more than  
fill your bill. If you could go with a single pole switch,  
look at the Daven-type 18 position one for \$3. Fair  
probably has a \$10 minimum order, so you may want to browse  
the rest of their catalog at

<https://www.fairradio.com/index-.htm>

Have fun,

Jim, W8KGI

-----  
Message-Id: <3.0.5.32.20010319203705.0080e480@pop3.dccnet.com>

Date: Mon, 19 Mar 2001 20:37:05 -0800

To: Old Tube Radios <boatanchors@theporch.com>

From: Ralph Parker <rparker@dccnet.com>

Subject: Re: 6 way speaker switch

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>I use a rotary switch to connect one speaker to one of 12  
>receivers in my CX station.

And don't forget to put a 15 ohm resistor across each receiver's speaker  
output.

Tube amplifiers don't like putting a signal into an unterminated output  
transformer (output transformers don't like it either).

VE7XF

-----  
Date: Mon, 19 Mar 2001 20:43:13 -0800

From: Arden Allen <gumbear@pacbell.net>

Subject: Re: Need ideas for a 6 way speaker switch

To: Old Tube Radios <boatanchors@theporch.com>

Message-id: <0GAH005YCBSCGT@mta6.snfc21.pbi.net>

MIME-version: 1.0

Content-type: text/plain; charset=ISO-8859-1

Content-transfer-encoding: 7bit

Gang;



I have a five position two pole switch built into a utility speaker box for the same purpose. I didn't think it was good to tie all of the speaker output commons together to avoid grounding and what-have-you problems. Across each speaker position is a 47 ohm resistor to maintain a protective load on receivers switcthed out. Don' wanna blow up any output transformers or tubes.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
From: arc5@ix.netcom.com  
Date: Tue, 20 Mar 2001 07:42:10 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Mil History Group Needs ARC-3 Connector  
Message-ID: <Springmail.105.985092130.0.98783300@www.springmail.com>

An historic restoration group, the "Mosquito Association," is working on a forward air controller radio jeep used during the Korean war. The jeep is to be displayed at the air museum in Dayton. They need a U-16/U connector for their jeep-mounted ARC-3.

They really need this connector soon, as it's holding up the cable work. If you can help, please call Mr. Orville Long of Tucson at 520-290-6232.

Thanks,  
Dave S.

-----  
Message-ID: <3AB75989.CA15EDFF@Basit.com>  
Date: Tue, 20 Mar 2001 08:22:18 -0500  
From: "James W. Miller" <jmiller@Basit.COM>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Wanted: National HRO-5TA1 Receiver  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I'm looking for an National HRO-5TA1 Receiver. Would buy or trade. I'm willing to repair or restore so please let me know what you have.

Tnx & 73,  
Jim, WA2UMP.

-----  
Message-ID: <3AB7633E.38ED190F@home.com>  
Date: Tue, 20 Mar 2001 09:03:42 -0500  
From: "Sandy Gerli, AC1Y/G5CPJ" <angerli@home.com>  
MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Heathkit T-3 manual wanted  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi, folks,

I would like to find an original manual for a T-3 Signal Tracer I'm cleaning up. Any possibility that someone's got one they'd be willing to part with? I could get a copy, but it wouldn't be the same, HI.

73,

--

Sandy Gerli, AC1Y  
500 Country Club Road  
Avon, CT 06001-2406 USA  
Telephone: 1-860-675-5566  
E-Mail: angerli@home.com

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Boatanchors are Ham Radio's heritage!  
Restore something, anything! Smell that hot solder!  
Better 'n booze...  
And, you can get up afterwards if you stay away from the B+!!  
Keep your finals dipped, now...

-----  
Message-ID: <20010320155750.9705.qmail@mellon.com>  
From: Merz Donald S <merz.ds@mellon.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: JFD 1A7 to 1R5 adapter  
Date: Tue, 20 Mar 2001 10:52:09 -0500  
MIME-Version: 1.0  
Content-Type: text/plain

JFD made a whole line of these tube adapters. I stumbled across a complete listing of the product line and some information on their use from JFD some time back. I've kept the information on file here thinking that I would run across some of these any maybe write something up about them. But nary a one has ever shown up in this neck of the woods. Anyone interested is welcome to copy of what I have free for the asking.

73, Don Merz, N3RHT

> -----Original Message-----

> From: Hue Miller [SMTP:kargokult@proaxis.com]

> Sent: Monday, March 19, 2001 5:24 AM

> To: Old Tube Radios

> Subject: JFD 1A7 to 1R5 adaptor

>

> Found a tube adaptor by JFD - it's an octal plug with a 7-pin mini  
> mounted on top. Thot it was a test jig first, but i see the box has  
> a 1R5 inside and marked on unit "1A7 to 1R5". Also some kind of  
> screwdriver adjustment which i first thot was a fastener and  
> stupidly screwdrivered, probably past any end stop. What is that  
> ?adjustment for? When were such adaptors made? I don't think  
> WW2, or the box would not have included a vacuum tube, i  
> believe.

>

>

>

\*\*\*\*\*

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notify us immediately by returning the e-mail to the originator.

-----

Message-ID: <000801c0b11f\$586fd340\$3bda0a3f@default>

From: "RAY JEFFERSON" <w7fni@micron.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: BW5100 xmitter

Date: Tue, 20 Mar 2001 09:22:49 -0000

MIME-Version: 1.0

Content-Type: multipart/alternative;

boundary="-----\_NextPart\_000\_0005\_01C0B11F.553AE700"

This is a multi-part message in MIME format.

-----\_NextPart\_000\_0005\_01C0B11F.553AE700

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

Greetings: Spring should be here in the Rockies in the next three or =  
four months but I want to get some spring cleaning done.....in the =  
shack. Would like to trade a very nice BW 5100 xmitter for a =  
goodreceiver of the same vintage. =20  
dont want to go the EBay route. Anyone interested/ Xmitter has been my =  
own for many years and is in very good condition. 73's

W7fni since 1934  
Ray O. Jefferson, Op.

-----=\_NextPart\_000\_0005\_01C0B11F.553AE700  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
*      (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
*      If your postings display this message your mail program *
*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

-----=\_NextPart\_000\_0005\_01C0B11F.553AE700--

-----  
Message-ID: <000701c0b160\$ea8c1680\$669059cf@franklin>  
From: "Gary Franklin" <franklin@net-link.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Trade: Collins 51S-1 for other Collins stuff  
Date: Tue, 20 Mar 2001 12:12:15 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have a winged Collins 51S-1 in nice condition that I would like to trade  
for two other Collins items in like condition or better:

What I am looking for is:

30L-1 amplifier (winged)  
312B-5 (winged)  
Manuals for both units

You can see this receiver at:  
[http://www.net-link.net/~franklin/k8bkb\\_002.htm](http://www.net-link.net/~franklin/k8bkb_002.htm)

If interested and you have both items, send me an e-mail! and we can get  
into more detail.

Thanks  
Gary, K8BKB

-----

Message-Id: <200103201727.LAA20941@mail.hal-pc.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
From: tsmith@hal-pc.org  
Subject: Collins 30S1  
Date: Tue, 20 Mar 2001 17:28:11 GMT

I have a very nice winged Collins 30S1 that I am considering selling. The only mods have been the addition of a transformer to up the bias on the final and solid state rectifiers. Have the original parts with some extra stuff like choke and a unused final with a spare good used tube. I'll be asking \$1800 and would prefer not to ship.

Thanks!  
Tom  
N5AMA

-----  
Message-Id: <3.0.3.32.20010320191728.00f30d44@mindspring.com>  
Date: Tue, 20 Mar 2001 19:17:28 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: john <johnmb@mindspring.com>  
Subject: National trivia question  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

What was the name of the "dancing doll" toy, that was Nationals first product?

(Answer found in a 50's National advertisement in QST.... :-) )

>From cold rainy NC  
John wb5oau

-----  
Message-ID: <003b01c0b1a2\$3fd95580\$4b2796d1@thecave>  
From: "Larry Bearse" <lbearse@mail1.nai.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RBH-2 photo?  
Date: Tue, 20 Mar 2001 19:59:55 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Anyone got a good photo of the front of a RBH-2 rx? I've got one with a strange paint job and knobs. I'd like to see what needs to be restored. Also could use the back cover/panel if there is one in someone's junk box.

73.....Larry WA1LGQ

-----  
Message-Id: <200103210147.TAA19392@exit1.i-55.com>  
From: "Sandy" <ebjr@i-55.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: "Ronnie Hull" <w5sum@nwla.com>,  
"Paul Beckwith, K2LMQ" <beckrep@citlink.net>,  
"mike Flicinski" <mflicinski@us.tuv.com>,  
"Lenox Carruth" <carruth@geo-thermal.com>,  
"Kenneth G. Gordon" <keng@moscow.com>,  
"Keith Heitzmann, KK5FE" <kk5fe@earthlink.net>, <K5DOA@aol.com>,  
"John, W7ZFB" <msix@nmia.com>, "Jake Hellbach, KK5HY" <kk5hy@geocities.com>,  
"Jack, W7QQQ" <jackmead@neta.com>, "Ed Zeranski" <ezeran@concentric.net>,  
"Dennis W5FRS" <dbrady@us.ibm.com>,  
"Conard Murray, WS4S" <cmurray@tntech.edu>,  
"Art Winterbauer, WA5OES" <winterbauer@uswest.net>  
Subject: A Concise "Tube Genealogy" chart.....  
Date: Tue, 20 Mar 2001 19:51:40 -0600  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Something that has been on the "back burner" for a while. Although not extensive, it did require quite a bit of research into each type listed and relationships. (Which I hope are correct!)

=====

"Old tube Genealogy"....

This list is done diagrammatically as per the legend below. It is NOT all comprehensive, but meant to aid in the selection of substitutes for possibly rare or unobtainable types that might be encountered.

Also, one may get some idea as to the evolution of a "Parent" type's "Children" and subsequent generations/permutations of the basic tube type.

The "parent" type is listed first. The "Children" are listed by arrows to the right. "2nd and additional generations" are listed below the "parent" type and "child" types that they appear to be related to.

Filament/heater voltages are listed in brackets after the old style two digit type numbers.

Number of base prongs listed in brackets after type number of tube.

No "genealogy" is generally given on tubes

Your comments welcomed.

```
'27 (2.5V, 4P)-->'56 (2.5V, 4P)
|
|-->'37 (6V, 5P)
|
|--> '76 (6V, 5P)
|
|--> 6C5 (OCT)
|
|--> 6J5 (OCT)
```

```

|
|--> 6C4 (Min)
=====
"Heater" Dual Triode "Class B"

'53 (2.5V, 7P)--> '79 (6V, 6P)
|
|-->6A6 (7P)
|
|--> 6N7 (Oct)
=====
"Heater" Tetrodes
'24 (2.5V, 4P)--> '36 (6V, 4P)

These derived pentode types in seperate "family"
=====
"Heater" Pentodes

Sharp cutoff....
'57 (2.5V, 6P)-->'77 (6V, 6P)
|
|--> 6C6 (6P)
|
|--> 6J7 (Oct, dbl.ended)
|
|--> 6SJ7 (Oct, sngl. ended)

Remote-Cutoff....
'58 (2.5V, 6P)-->'78 (6V, 6P)
|
|--> 6D6 (6P)
|
|--> 6K7 (Oct, dbl. ended)
|
|--> 6SK7 (Oct, sngl. ended)
=====

Power Pentodes ('41/'47 family)

'47 (2.5V, 5P)--> '59 (2.5V, 7P)
|
|--> '41 (6V, 6P)-->'89 (6V, 6P, dbl. ended)
|
|
|-->6K6 (Oct.)
|
|--> '38 (6V, 5P)
=====

```



Power Pentode (2A5 Family)

```
2A5 (6P)--> '42 (6V, 6P)
      |
      |--> 6F6 (oct)
      |
      |--> 6G6 (Oct)
```

=====

"Beam Power tetrode (6L6 Family)

6L6 (oct).....Root of MANY types!

```
|
|--> 807 (6V, 5P)
|   |
|   |--> 1625 (12V, 7P)
|
|--> 6Y6 (oct)
|
|--> 6V6 (oct)--> 7C5 (loktal)
|   |
|   |--> 6AQ5 (Min)
|
|--> 6BG6G (Oct)
|
|--> 2E26 (6V, Oct)
|   |
|   |--> 6146 (6V, Oct)--> 6883 (12V, Oct)
```

=====

"Later" Medium Mu Dual-Triodes

```
6C8G (Oct)
|
|--> 6F8G (oct)--> 6SN7 (Oct)--> Many permutations.
|
|   |--> 12AU7(6/12V, Min)--> 12BH7 (6/12V,Min)
```

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As stated, this "list" is NOT all encompassing!

Hope it helps!

73,

Sandy W5TVW

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End of BOATANCHORS Digest 3129

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